and wherein said all ceramic bearing assembly comprises a ceramic inner race and a ceramic outer race and multiple ceramic bearing balls interspersed there between.

B1 cont.

15. (NEW) An electromagnetic induction rotary device according to claim 12, wherein said shaft and said bearing support structure are fabricated of a nickel-iron alloy having a substantially similar coefficient of thermal expansion to said all ceramic bearing assembly.

16. (NEW) An electromagnetic induction rotary device according to claim 12, wherein said shaft is electrically isolated from said bearing support structure.

17. (NEW) An electromagnetic induction rotary device according to claim 12, said device comprising a partial rotation torque motor for use in a galvanometer scanner.

18. (NEW) A method for providing improved shaft alignment and bearing life in an electromagnetic induction rotary device comprising the steps:

supporting the shaft for rotation with an all ceramic bearing assembly comprising a ceramic inner race attached to the shaft, a ceramic outer bearing race and a plurality of ceramic rotating members captured there between;

supporting the bearing outer race in a fixed bearing support structure such that the ceramic outer race is stationary with respect to said inner race; and

fabricating the shaft and the bearing support structure from a material having a substantially similar coefficient of thermal expansion as the coefficient of thermal expansion of said all ceramic bearing assembly.

19. (NEW) A method for providing improved shaft alignment and bearing life according to claim 18, said material for said fabricating of the shaft and the bearing support structure comprising a nickel-iron alloy.